

DATABASES 3

Your school keeps details of their teachers in a database. They use codes for some of the information.

A copy of their main table looks like the one below:

| 1 | 2 | 3 | 4 | 5 |
|-----------------|---|-----|---|-----|
| Jane Jones | F | PE | F | BA |
| Simon Brown | M | HI | F | BA |
| Judith Mathers | F | EN | F | BA |
| Lois Burns | F | GG | P | BEd |
| Malcolm Field | M | FR | F | PHD |
| David Chase | M | SC | P | MSc |
| Margaret Foster | F | MA | P | BSc |
| Sally Chadwick | F | ICT | F | BSc |
| Patrick Roylick | M | DT | F | MA |
| Richard Brand | M | RE | S | MA |

Some of the fields in this table might be a little hard to understand at first. The school have shortened the answers and made them into a code.

What do you think the advantages of storing data as a code might be?

.....
.....

The field headings should be:

| Name | Gender | Subject | Full/Part time | Qualification |
|------|--------|---------|----------------|---------------|
|------|--------|---------|----------------|---------------|

Which subjects do you think these codes stand for :

| Code | Subject |
|------|---------|
| PE | |
| HI | |
| EN | |
| GG | |
| FR | |
| SC | |
| MA | |
| ICT | |
| DT | |
| RE | |

The codes for qualifications are:

BSc = Bachelor of Science

Bed = Bachelor of Education

MSc = Master of Science

BA = Bachelor of Arts

PHD = Doctor of Philosophy

MA = Master of Arts

Write the teacher's qualifications in full

| Name | Qualification |
|-----------------|---------------|
| Jane Jones | |
| Simon Brown | |
| Judith Mathers | |
| Lois Burns | |
| Malcolm Field | |
| David Chase | |
| Margaret Foster | |
| Sally Chadwick | |
| Patrick Roylick | |
| Richard Brand | |

One piece of data is probably wrong in the database.

Which one do you think it is?

How many male teachers work at the school?

How many female teachers work part time?

Which teacher has an MSc and is male?

Which teachers are female and have a BA?

The following teachers will be joining in September. Add their details to the database:

- Mrs Gillian White who teaches science, works full time and has a Master of Science degree
- Mr Julian Waite who works part time teaching history and has a Bachelor of Arts degree

| Name | Gender | Subject | Full/Part time | Qualification |
|------|--------|---------|----------------|---------------|
| | | | | |
| | | | | |

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You may not:

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